Mac Pro

The new 8-core standard.
It was once only top-of-the-line processing power. Now it's at the heart of the new Mac Pro.
Learn more

The fastest Mac ever.
Up to 2x faster than the previous Mac Pro, with new Quad-Core Intel Xeon processors up to 3.2GHz. Learn more

Graphics. The next generation.
Introducing all-new, high-end, blow-you-away graphics.
Learn more

Unequaled expansion.
Designed for even higher capacity, more flexibility, and endless possibilities.
Learn more

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Mac mini
MacBook
MacBook Pro
MacBook Air
MacBook White
MacBook Pro 17"
iMac

Accessories
Mighty Mouse
Keyboard
LED Cinema Display

Wi-Fi Base Stations
AirPort Express
AirPort Extreme
Time Capsule
Which Wi-Fi are you?

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Xserve
Xsan
Mac OS X Server

MobileMe
Learn more

Mac OS X
10.5 Leopard
Accessibility

QuickTime
Movie Trailers
QuickTime Player
QuickTime Pro

Applications
iLife
iWork
Aperture
Final Cut Studio
Final Cut Server
Final Cut Express
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Logic Express
Shake
Remote Desktop

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Developer Connection
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Markets
Creative Pro
Education

Support
Where can I buy a Mac?
AppleCare
Online Support
Telephone Sales
Personal Shopping
Genius Bar
Workshops
One to One
ProCare

Expand at will.

Smart design | Turbo and tool-less | Slide-in storage | Memory boost | Easy I/O

Smart design.

The new Mac Pro is already packed with power and performance but it's designed for even more. Smart design makes installing massive amounts of memory, adding expansion cards, and increasing storage surprisingly simple and intuitive.And there are plenty of I/O ports to connect external devices.

Introducing Adobe CS4

Express big ideas in a multimedia world.
Learn more

Final Cut Studio 2

Go beyond mere editing in a Final Cut world.
Learn more

Mac Pro Performance

The bar has officially been raised.
Learn more

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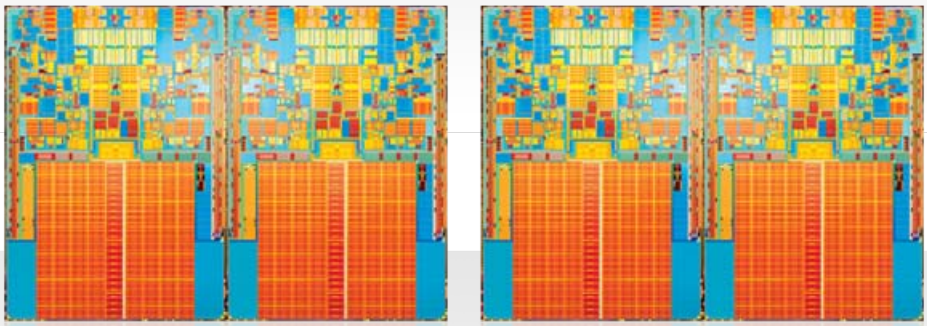
- Visit an Apple Retail Store
- Find your local authorized reseller

Technology

- Processor
- Graphics
- Storage and RAID
- Mac OS X Leopard



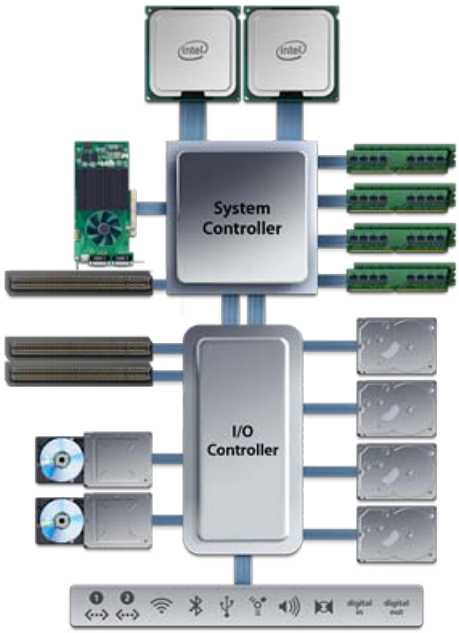
Start your engines. All eight of them.

Up to 2x faster.

Eight-core processing power was once only top-of-the-line. Now it comes standard. This time around, performance is more phenomenal than ever — up to two times faster than the previous standard-configuration Mac Pro.[1] And with the multicore technology enhancements of Mac OS X Leopard, the new Mac Pro is a force to be reckoned with.

More power with less power.

Inside the new Mac Pro is the latest technology from Intel: Quad-Core Intel Xeon "Harpertown" processors. These processors run at blazingly fast speeds up to 3.2GHz. Based on the new 45-nm Intel Core microarchitecture, they deliver amazing performance but still maintain outstanding energy efficiency.



Cache count.

A huge amount of L2 cache — 12MB per processor — keeps frequently used data and instructions close to the processor cores and improves overall performance. 6MB of cache is shared between pairs of processor cores, allowing an individual core to use all the available shared cache at any one time.

Built at full tilt.

With the fastest Xeon architecture available, the new Mac Pro features 1600MHz dual independent frontside buses. These 64-bit buses give each processor a direct connection to the system controller and deliver improved processor bandwidth of up to 25.6GB per second — 20 percent greater than the previous Mac Pro. With a new system architecture, speedier system buses, and fast 800MHz DDR2 fully buffered DIMM memory, Mac Pro memory throughput is up to 1.6 times faster than before.[2]

Every Intel Xeon processor features an enhanced SSE4 SIMD engine. Capable of completing 128-bit vector computations in a single cycle, SSE4 is ideal for transforming large sets of data, such as applying a filter to an image or rendering a video effect.

Smarter memory.

The Mac Pro incorporates a 256-bit-wide, fully buffered memory architecture with Error Correction Code (ECC), which corrects single-bit errors and detects multiple-bit errors automatically. These features are especially important in mission-critical or compute-intensive environments. Apple designed a more stringent thermal specifcation for the Mac Pro FB-DIMMs, so the internal fans spin at slower speeds and keep the system quiet.

Synthetic Performance Tests

View all performance charts

SPEC CPU2006
CFP2006 and CINT2006

STREAM
Memory throughput

CINT2006 Rate and CFP2006 Rate. Integer and floating-point calculation results.

Select your system: Mac Pro Quad 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)

	Mac Pro Quad 2.66GHz	Mac Pro 8-core 2.8GHz	Delta
SPECint_rate_base2006 Integer calculation (estimate)	51.9	98.8	1.9x
SPECfp_rate_base2006 floating-point calculation (estimate)	39.9	68.5	1.7x

Up to 1.9x faster with standard 8-core system

Testing conducted by Apple in December 2007 using preproduction 8-core 2.8GHz Mac Pro units and shipping quad-core 2.66GHz Mac Pro units. SPEC® is a registered trademark of the Standard Performance Evaluation Corporation (SPEC); see www.spec.org for more information. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

1. Based on testing conducted by Apple in December 2007 using preproduction 8-core 2.8GHz Mac Pro units and shipping quad-core 2.66GHz Mac Pro units. All systems were configured with 4GB of RAM. This is based on testing Logic Pro reverb plug-ins and Maya Mental ray render. See http://www.apple.ca/macpro/performance.html for specific results. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.
2. Testing conducted by Apple in December 2007 using preproduction 8-core 2.8GHz Mac Pro units and shipping quad-core 2.66GHz Mac Pro units. All systems were configured with 4GB of RAM. Results are based on the STREAM v. 5.6 benchmark (www.cs.virginia.edu/stream/ref.html) using OMP support for multiprocessor-compiled builds. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

Graphics

Final Cut Studio 2

Go beyond mere editing in a Final Cut world.
Learn more

Mac Pro Performance

The bar has officially been raised.
Learn more

Mac OS X Server

Harness the power of Leopard to run your network.
Learn more

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- Visit an Apple Retail Store
- Find your local authorized reseller

Application Performance

Video

Final Cut Pro 6.0.2
HDV rendering

Final Cut Pro 6.0.2
ProRes rendering

Final Cut Pro 6.0.2
HDV encoding

Final Cut Pro 6.0.2
ProRes encoding

After Effects CS3
Nightflight benchmark

Final Cut Pro. HDV rendering.

Select your system: Power Mac G5 | Mac Pro Quad-core 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)

Power Mac G5 — Baseline

Mac Pro 8-core 3.2GHz — 1.8x

Up to 1.8x faster than Power Mac G5 Quad

Testing conducted by Apple in December 2007 using preproduction 8-core 3.2GHz Mac Pro units and shipping 2.5GHz Power Mac G5 Quad units. All systems were configured with 4GB of RAM. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

Imaging and Graphics

Photoshop CS3. 45-filter function.

Select your system: Power Mac G5 | Mac Pro Quad-core 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)

Power Mac G5 — Baseline

Mac Pro 8-core 3.2GHz — 1.6x

Up to 1.6x faster than Power Mac G5 Quad

Testing conducted by Apple in December 2007 using preproduction 8-core 3.2GHz Mac Pro units and shipping 2.5GHz Power Mac G5 Quad units. All systems were configured with 4GB of RAM. Photoshop test file size = 400MB. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

3D

Maya 2008
Mental Ray 3D rendering

modo 301
3D rendering

Cinebench 10.1
Multiprocessor rendering

Maya 2008. Mental Ray 3D rendering.

Select your system: Mac Pro Quad-core 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)

Mac Pro Quad-core 2.66GHz — Baseline

Mac Pro 8-core 2.8GHz 2.1x

Up to 2.1x faster with standard 8-core system

Testing conducted by Apple in December 2007 using preproduction 8-core 2.8GHz Mac Pro units and shipping quad-core 2.66GHz Mac Pro units. All systems were configured with 4GB of RAM. Test file = Benchmark_Maya.mb from www.zoorender.com/benchmark. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

Sound

Logic Pro 8.0.1
Platinum Verb reverb

Logic Pro 8.0.1
Sculpture modeling synth

Logic Pro 8.0.1. Number of concurrently playing Platinum Verb reverb plug-ins.

Select your system: Power Mac G5 | Mac Pro Quad-core 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)

Power Mac G5 Baseline

Mac Pro 8-core 3.2GHz 2.6x

Up to 2.6x greater than Power Mac G5 Quad

Testing conducted by Apple in December 2007 using preproduction 8-core 3.2GHz Mac Pro units and shipping 2.5GHz Power Mac G5 Quad units. All systems were configured with 4GB of RAM. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

Science

OsiriX 2.7.5
Volume & surface render

PyMOL 1.0
Wizard Benchmark

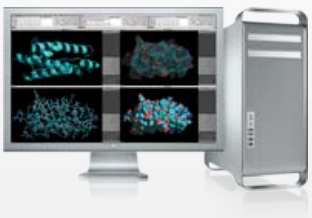
OsiriX 2.7.5. Volume and surface render.

Select your system: Mac Pro Quad-core 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)

Mac Pro Quad-core 2.66GHz Baseline

Mac Pro 8-core 2.8GHz 1.2x

Up to 1.2x faster with standard 8-core system



Testing conducted by Apple in December 2007 using preproduction 8-core 2.8GHz Mac Pro units and shipping quad-core 2.66GHz Mac Pro units. All systems were configured with 4GB of RAM. Test file = DICOM sample image set MANIX. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

Technical Computing

Mathematica 6.0.1
MathematicaMark6

Xcode 3.0
Build project

Mathematica 6.0.1 Personal Grid Edition. MathematicaMark6.

Select your system: Power Mac G5 | Mac Pro Quad-core 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)

Power Mac G5 — Baseline

Mac Pro 8-core 3.2GHz — 2.9x

Up to 2.9x faster than Power Mac G5 Quad

Testing conducted by Apple in December 2007 using preproduction 8-core 3.2GHz Mac Pro units and shipping 2.5GHz Power Mac G5 Quad units. All systems were configured with 4GB of RAM. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

Hardware Performance

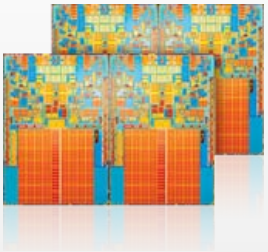
Synthetic Performance Tests

SPEC CPU2006
CFP2006 and CINT2006

STREAM
Memory throughput

CINT2006 Rate and CFP2006 Rate. Integer and floating-point calculation results.

Select your system: Mac Pro Quad 2.66GHz | Mac Pro 8-core 3.0GHz (previous generation)



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Graphics Cards

NVIDIA GeForce 7300 GT (previous standard) vs. ATI Radeon HD 2600 XT and NVIDIA GeForce 8800 GT

NVIDIA GeForce 7300 GT — 64 fps

ATI Radeon HD 2600 XT — 88 fps

NVIDIA GeForce 8800 GT 141 fps

Doom 3 frames per second

Testing conducted by Apple in December 2007 using preproduction 8-core 3.2GHz Mac Pro, NVIDIA GeForce 8800 GT, and ATI Radeon HD 2600 XT units; and shipping quad-core 2.66GHz Mac Pro NVIDIA GeForce 7300 GT units. All systems were configured with 4GB of RAM. Tested using Doom 3 v1.3.1 TimeDemo 1, high video quality, at 1024 by 768. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro.

RAID Cards

SAS vs. SATA RAID 5
Disk I/O performance

Final Cut Pro Streams
RAID 5 performance

SAS RAID 5 vs SATA RAID 5. Read and write performance.

SAS RAID 5
Three 300GB
SAS 15,000-rpm

SAS sequential read 250MB/s

SAS sequential write 197MB/s

Up to 50% greater throughput with SAS.

SATA RAID 5
Three 1TB SATA
7200-rpm

SATA sequential read 165MB/s

SATA sequential write 127MB/s

Iometer megabytes per second

Testing conducted by Apple in December 2007 using preproduction 8-core 3.2GHz Mac Pro units. Testing was conducted using Iometer 2006.07.27 with a 30-second ramp-up, 5-minute run duration, 512KB request size, and 4 outstanding IOs. The test system was configured in a two-volume configuration with a single JBOD drive for the OS and the remaining three drives as the test volume on which Iometer tests were performed. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro RAID Card.

Final Cut Studio 2

Go beyond mere editing in a Final Cut world.
Learn more

Aperture 2

Serious power for serious photographers.
Learn more

Logic Studio

Musical inspiration meets professional production.
Learn more

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Technical Specifications

Processing

8-core: Two 2.8GHz, 3.0GHz, or 3.2GHz Quad-Core Intel Xeon 5400 series processors

Quad-core: One 2.8GHz Quad-Core Intel Xeon 5400 series processor

Enhanced Intel Core microarchitecture

- 12MB of L2 cache per processor (each pair of cores shares 6MB)
- 128-bit SSE4 SIMD engine
- 64-bit data paths and registers
- Energy efficiency optimization

1600MHz, 64-bit dual independent frontside buses

Memory

800MHz DDR2 ECC fully buffered DIMM (FB-DIMM) memory

Eight FB-DIMM slots on two memory riser cards (four slots per card) supporting up to 32GB of main memory

256-bit-wide memory architecture

Graphics and displays

Double-wide, 16-lane PCI Express 2.0 graphics slot with one of the following graphics cards installed:

- ATI Radeon HD 2600 XT with 256MB of GDDR3 memory and two dual-link DVI ports
- NVIDIA GeForce 8800 GT with 512MB of GDDR3 memory and two dual-link DVI ports
- NVIDIA Quadro FX 5600 with 1.5GB of GDDR3 memory, two dual-link DVI ports, and one stereo 3D port

Multiple graphics card configurations including two, three, or four ATI Radeon HD 2600 XT cards

300W for up to four PCI Express graphics cards

Support for up to eight 30-inch displays [1]

Support for digital resolutions up to 2560 by 1600 pixels

Support for analog resolutions up to 2048 by 1536

Storage

Four 3.5-inch cable-free, direct-attach hard drive bays with built-in independent 3Gb/s Serial ATA channels; four internal hard drive carriers included

Up to 4TB of internal storage [3] using hard drives in the following capacities:

- Hard drive bay 1
  320GB Serial ATA 3Gb/s, 7200 rpm, 8MB cache
  500GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  750GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  1TB Serial ATA 3Gb/s, 7200 rpm, 32MB cache
  300GB Serial Attached SCSI 3Gb/s, 15,000 rpm, 16MB cache [4]
- Hard drive bay 2
  500GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  750GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  1TB Serial ATA 3Gb/s, 7200 rpm, 32MB cache
  300GB Serial Attached SCSI 3Gb/s, 15,000 rpm, 16MB cache [4]
- Hard drive bay 3
  500GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  750GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  1TB Serial ATA 3Gb/s, 7200 rpm, 32MB cache
  300GB Serial Attached SCSI 3Gb/s, 15,000 rpm, 16MB cache [4]
- Hard drive bay 4
  500GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  750GB Serial ATA 3Gb/s, 7200 rpm, 16MB cache
  1TB Serial ATA 3Gb/s, 7200 rpm, 32MB cache
  300GB Serial Attached SCSI 3Gb/s, 15,000 rpm, 16MB cache [4]

Optional Mac Pro RAID card with 256MB cache and 72-hour cache battery backup [5]

16x SuperDrive with double-layer support (DVD±R DL/DVD±RW/CD-RW)

- Writes DVD+R and DVD-R discs at up to 16x speed
- Writes DVD+R DL and DVD-R DL discs at up to 8x speed
- Writes DVD+RW discs at up to 8x speed
- Writes DVD-RW discs at up to 6x speed
- Reads DVDs at up to 16x speed

Peripherals and audio

Two FireWire 800 ports (one on front panel, one on back panel)

Two FireWire 400 ports (one on front panel, one on back panel)

Five USB 2.0 ports (two on front panel, three on back panel)

Two USB 2.0 ports on included keyboard

Front-panel headphone minijack and speaker

Optical digital audio input and output TOSLINK ports

Analog stereo line-level input and output minijacks

PCI Express expansion [7]

Three open full-length PCI Express expansion slots

- One PCI Express 2.0 x16 slot
- Two PCI Express x4 slots

All slots provide mechanical support for 16-lane cards

300W combined maximum for all PCI Express slots

Software

Mac OS X v10.5 Leopard (includes Time Machine, Quick Look, Spaces, Spotlight, Dashboard, Mail, iChat, Safari, Address Book, QuickTime, iCal, DVD Player, Photo Booth, Front Row, Xcode Developer Tools)

iLife '08 (includes iTunes, iPhoto, iMovie, iDVD, iWeb, and GarageBand)

Size and weight

Height: 20.1 inches (51.1 cm)

Width: 8.1 inches (20.6 cm)

Depth: 18.7 inches (47.5 cm)

Weight (standard configuration): 42.4 pounds (19.2 kg) [8]

pixels

DVI to VGA adapter included

Dual-display support for extended desktop and video mirroring modes

Communications

Two independent 10/100/1000BASE-T Ethernet (RJ-45) interfaces with support for jumbo frames

Bluetooth 2.0 + Enhanced Data Rate (EDR) up to 3Mb/s

Optional 802.11n AirPort Extreme wireless networking [2]

Optional external Apple USB Modem (RJ-11)

- Writes CD-R and CD-RW discs at up to 32x speed
- Reads CDs at up to 32x speed

One open optical drive bay for optional second SuperDrive

Electrical and environmental requirements

ENERGY STAR configurations available [6]

Line voltage: 100-120V AC or 200-240V AC (wide-range power supply input voltage)

Frequency: 50Hz to 60Hz single phase

Current: Maximum of 12A (low-voltage range) or 6A (high-voltage range)

Operating temperature: 50° to 95° F (10° to 35° C)

Storage temperature: -40° to 116° F (-40° to 47° C)

Relative humidity: 5% to 95% noncondensing

Maximum altitude: 10,000 feet

In the box

Mac Pro

Apple Keyboard and Mighty Mouse

DVI to VGA adapter

USB keyboard extension cable

Install/restore DVDs

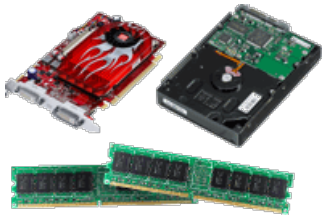
Printed and electronic documentation

Configuration Options

	Standard Configuration (MA970LL/A)	Build-to-Order Options
Processor	Two 2.8GHz Quad-Core Intel Xeon processors	Two 3.0GHz or 3.2GHz Quad-Core Intel Xeon processors One 2.8GHz Quad-Core Intel Xeon processor
Memory	2GB (two 1GB) of 800MHz DDR2 ECC fully buffered DIMM	4GB (four 1GB) 8GB (four 2GB) 16GB (four 4GB) 16GB (eight 2GB) 32GB (eight 4GB)
PCI Express graphics	ATI Radeon HD 2600 XT 256MB (two dual-link DVI ports)	NVIDIA GeForce 8800 GT 512MB (two dual-link DVI ports) NVIDIA Quadro FX 5600 1.5GB (stereo 3D, two dual-link DVI ports) Two ATI Radeon HD 2600 XT 256MB Three ATI Radeon HD 2600 XT 256MB Four ATI Radeon HD 2600 XT 256MB
Hard disk drive	320GB Serial ATA 3Gb/s; 7200 rpm; 8MB cache	Hard Drive Bay 1 500GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 750GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 1TB Serial ATA 3Gb/s; 7200 rpm; 32MB cache 300GB Serial Attached SCSI 3Gb/s; 15,000 rpm; 16MB cache Hard Drive Bay 2 500GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 750GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 1TB Serial ATA 3Gb/s; 7200 rpm; 32MB cache 300GB Serial Attached SCSI 3Gb/s; 15,000 rpm; 16MB cache Hard Drive Bay 3 500GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 750GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 1TB Serial ATA 3Gb/s; 7200 rpm; 32MB cache 300GB Serial Attached SCSI 3Gb/s; 15,000 rpm; 16MB cache

		Hard Drive Bay 4 500GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 750GB Serial ATA 3Gb/s; 7200 rpm; 16MB cache 1TB Serial ATA 3Gb/s; 7200 rpm; 32MB cache 300GB Serial Attached SCSI 3Gb/s; 15,000 rpm; 16MB cache
Internal RAID	Optional	Mac Pro RAID Card with 256MB cache and 72-hour cache battery backup[5]
Optical drive	16x SuperDrive with double-layer support (DVD±R DL/DVD±RW/CD-RW)	Two 16x SuperDrive optical drives with double-layer support (DVD±R DL/DVD±RW/CD-RW)
Wireless	Bluetooth 2.0 + EDR	AirPort Extreme wireless networking[2]
PCI Express	Optional	Apple Dual-Channel or Quad-Channel 4Gb Fibre Channel PCI Express Card
Displays	Optional	20-inch Apple Cinema Display (M9177LL/A) 23-inch Apple Cinema HD Display (M9178LL/A) 30-inch Apple Cinema HD Display (M9179LL/A)

Learn more about options for Mac Pro.



Upgrades

2GB Memory kit (MB192G/A)

4GB Memory kit (MB193G/A)

8GB Memory kit (MB194G/A)

500GB SATA drive kit (MA988G/A)

750GB SATA drive kit (MA989G/A)

1TB SATA drive kit (MB362G/A)

300GB SAS drive kit (MB195G/A)

Mac Pro RAID Card (MA849Z/B)

NVIDIA GeForce 8800 GT Graphics Upgrade Kit (MB137Z/A)

ATI Radeon HD 2600 XT Graphics Upgrade Kit (MB198Z/A)

Apple Dual-Channel 4Gb Fibre Channel PCI Express Card (MB355G/A)

Apple Quad-Channel 4Gb Fibre Channel PCI Express Card (MB356G/A)

Accessories

AirPort Extreme Base Station (MB053LL/A)

AirPort Express Base Station featuring AirTunes (MB321AM/A)

Apple Wireless Keyboard (FB167LL/A)

Apple wireless Mighty Mouse (MB111ZM/A)

Apple USB Modem (MA034Z/A)

.Mac Subscription (MA927Z/A)

AppleCare Protection Plan (MA516LL/A)

Applications

Final Cut Studio (MA886Z/A)

Final Cut Express (MB278Z/A)

Aperture (MB284Z/A)

Logic Studio (MA797Z/A)

Logic Express (MA806Z/A)

Shake (MA434Z/A)

Mac OS X Server (MB005Z/A)

Mac OS X Leopard Server Unlimited-client license (MB004Z/A)

Apple Remote Desktop 3 (10 clients) (MB422F/A)

iWork '08 (MA790Z/A)

1. Requires installation of four ATI Radeon HD 2600 XT graphics cards, each of which provides support for up to two 20-inch Apple Cinema Displays, 23-inch Apple Cinema HD Displays, or 30-inch Apple Cinema HD Displays.
2. Wireless Internet access requires base station or other wireless access point and Internet access (fees may apply). Achieving optimal 802.11n data rates requires that all users have an 802.11n AirPort Extreme Card and connect to an 802.11n AirPort Extreme Base Station. Speed and range will be less if an 802.11a/b/g product joins the network. Actual performance will vary based on range, connection rate, site conditions, size of network, and other factors. Range will vary with site conditions. Based on IEEE 802.11n draft specification.

Mac Pro

8 cores standard, up to 3.2 GHz

Start building your Mac Pro with our suggested configuration:
Two 2.8GHz Quad-Core Intel Xeon â€œHarpertownâ€ processors
2GB memory (800MHz DDR2 fully-buffered DIMM ECC)
ATI Radeon HD 2600 XT graphics with 256MB memory
320GB Serial ATA 3Gb/s 7200-rpm hard drive[1]
16x double-layer SuperDrive

Ships: 1-2 business days
Free Shipping

$2,899.00

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Shop great holiday gifts

The new Mac Pro. The fastest, most powerful Mac. Ever.

8 cores, standard.
8-core processing was once reserved as a high-end option. Now it's at the heart of the Mac Pro line. This incredible power stems from all-new Quad-Core Intel Xeon “Harpertown” processors, featuring speeds up to 3.2GHz and 12MB of L2 cache per processor.

Mac Pro 8-core 2.8 GHz[2]
Logic Pro (reverb plug-ins) 2.3X
Maya (mental ray render) 2.1X
Final Cut Pro (HDV encoding) 1.9X
Mac Pro quad-core 2.66 GHz
Baseline 1.0X

Blazing fast, up to 2x performance.
With its 8-core processing, advanced Xeon architecture, 1600MHz dual independent front-side buses, and 800MHz memory, the new Mac Pro delivers up to 2x greater application performance.[2]

Up to 4TB storage, RAID, and SAS.
The cable-free, direct-attach hard drive bays make it easy to install up to 4TB of storage with Serial ATA 3Gb/s drives. For enhanced data protection, the optional Mac Pro RAID card delivers hardware RAID levels 0, 1, 5, and 0+1. Used with this card, 15,000-rpm SAS drives bring added performance to RAID configurations.

The new generation of graphics.
All new, high-performance graphics cards from ATI and NVIDIA offer even greater performance for 3D and graphics- intensive applications. For more power, upgrade to a workstation-class card with up to 1.5GB of memory. All cards now support up to two 30-inch Apple Cinema HD displays.

PCI Express 2.0, double the speed.
The PCI Express 2.0 graphics card slot delivers twice the transfer rate of the previous generation. And you can install up to three additional PCI Express cards in three full-length slots — one PCIe 2.0, the other two PCIe.

Massive, fast memory.
Add up to 32GB of fast 800MHz DDR2 ECC

fully buffered memory — a memory architecture that's up to 256 bits wide and allows for incredible memory capacity, bandwidth, and reliability.

Thinking about getting your first Mac? Read simple answers to some of the most common PC-to-Mac questions

What's in the Box

- Mac Pro
- Power cord
- Apple Keyboard
- Mighty Mouse
- DVI to VGA adapter
- USB keyboard extension cable
- Install/restore DVDs
- Printed and electronic documentation

Configuration Options

- Two quad-core processors (8-core) up to 3.2GHz
- One quad-core processor at 2.8GHz
- Memory up to 32GB
- Upgraded graphics cards
- Hard drive storage up to 4TB
- Up to four SAS hard drives
- Mac Pro RAID Card[3]
- Up to two SuperDrives
- AirPort Extreme
- More options

Included Software

Operating System | Applications

Mac OS X v10.5 Leopard

The world's most advanced operating system offers hundreds of breakthrough innovations and applications, including:

- Cover Flow
- Quick Look
- Stacks
- Time Machine
- Mail
- iChat
- Safari
- Spaces

(1) 1GB = 1 billion bytes; actual formatted capacity less. (2) Testing conducted by Apple in December 2007 using preproduction 8-core 2.8GHz Mac Pro units and shipping quad-core 2.66GHz Mac Pro units. All systems were configured with 4GB of RAM. Maya test file = Benchmark_Maya.mb from www.zoorender.com/benchmark. Performance tests are conducted using specific computer systems and reflect the approximate performance of Mac Pro. (3) Supports Mac OS X only.

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